



IFWO

## RAW SEQUENCE LISTING

DATE: 08/02/2004

PATENT APPLICATION: US/10/764,389

TIME: 14:52:22

Input Set : N:\Crf3\RULE60\10764389.raw

Output Set: N:\CRF4\08022004\J764389.raw

1 <110> APPLICANT: STAVRIANOPOULOS, JANNIS G.  
 2 RABBANI, ELAZAR  
 3 <120> TITLE OF INVENTION: LABELING REAGENTS AND LABELED TARGETS, TARGET LABELING  
 4 PROCESSES AND OTHER PROCESSES FOR USING SAME IN NUCLEIC  
 5 ACID DETERMINATIONS AND ANALYSES  
 6 <130> FILE REFERENCE: ENZ-61  
 7 <140> CURRENT APPLICATION NUMBER: US/10/764,389  
 8 <141> CURRENT FILING DATE: 2004-01-23  
 9 <150> PRIOR APPLICATION NUMBER: US/10/096,075  
 10 <151> PRIOR FILING DATE: 2002-03-12  
 11 <160> NUMBER OF SEQ ID NOS: 12  
 12 <170> SOFTWARE: PatentIn Ver. 2.1  
 14 <210> SEQ ID NO: 1  
 15 <211> LENGTH: 20  
 16 <212> TYPE: DNA  
 17 <213> ORGANISM: Artificial Sequence  
 18 <220> FEATURE:  
 19 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
 20 <220> FEATURE:  
 21 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule: Primer  
 22 <220> FEATURE:  
 23 <221> NAME/KEY: modified\_base  
 24 <222> LOCATION: (3)  
 25 <223> OTHER INFORMATION: Uridine moiety modified with a non-flourescent  
 26 3-amino xanthene  
 27 <220> FEATURE:  
 28 <221> NAME/KEY: modified\_base  
 29 <222> LOCATION: (12)  
 30 <223> OTHER INFORMATION: Uridine moiety modified with a non-flourescent  
 31 3-amino xanthene  
 32 <400> SEQUENCE: 1  
 33 caugatccgg augggaggtg  
 35 <210> SEQ ID NO: 2  
 36 <211> LENGTH: 18  
 37 <212> TYPE: DNA  
 38 <213> ORGANISM: Artificial Sequence  
 39 <220> FEATURE:  
 40 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
 41 <220> FEATURE:  
 42 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule: Probe  
 43 <220> FEATURE:  
 44 <221> NAME/KEY: modified\_base  
 45 <222> LOCATION: (6)

**ENTERED**

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46 <223> OTHER INFORMATION: Uridine moiety modified with a non-flourescent
47     3-amino xanthene
48 <220> FEATURE:
49 <221> NAME/KEY: modified_base
50 <222> LOCATION: (12)
51 <223> OTHER INFORMATION: Uridine moiety modified with a non-flourescent
52     3-amino xanthene
53 <220> FEATURE:
54 <221> NAME/KEY: modified_base
55 <222> LOCATION: (15)
56 <223> OTHER INFORMATION: Uridine moiety modified with a non-flourescent
57     3-amino xanthene
58 <400> SEQUENCE: 2
59     gcacauccgg auaguaga                                     18
61 <210> SEQ ID NO: 3
62 <211> LENGTH: 27
63 <212> TYPE: DNA
64 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
67     probe sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule: Synthetic
70     probe sequence
71 <220> FEATURE:
72 <221> NAME/KEY: modified_base
73 <222> LOCATION: (1)
74 <223> OTHER INFORMATION: Uridine labeled with Texas Red
75 <220> FEATURE:
76 <221> NAME/KEY: modified_base
77 <222> LOCATION: (7)
78 <223> OTHER INFORMATION: Uridine labeled with Texas Red
79 <220> FEATURE:
80 <221> NAME/KEY: modified_base
81 <222> LOCATION: (17)
82 <223> OTHER INFORMATION: Uridine labeled with Texas Red
83 <220> FEATURE:
84 <221> NAME/KEY: modified_base
85 <222> LOCATION: (27)
86 <223> OTHER INFORMATION: Uridine labeled with Texas Red
87 <400> SEQUENCE: 3
88     uaatggugag tatcccgcc taactcu                               27
90 <210> SEQ ID NO: 4
91 <211> LENGTH: 22
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic chimeric
96     nucleic acid construct sequence

```

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97 <220> FEATURE:
98 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule: Synthetic
99     chimeric nucleic acid construct sequence
100 <220> FEATURE:
101 <221> NAME/KEY: modified_base
102 <222> LOCATION: (15)..(22)
103 <223> OTHER INFORMATION: Inosine ribonucleotide
104 <400> SEQUENCE: 4
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108 <211> LENGTH: 33
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
113 <400> SEQUENCE: 5
114     gcgacctgcg aatgctatgg atcaggctag cca                                33
116 <210> SEQ ID NO: 6
117 <211> LENGTH: 20
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
122 <400> SEQUENCE: 6
123     catgatccgg atgggaggtg                                20
125 <210> SEQ ID NO: 7
126 <211> LENGTH: 27
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
131     probe
132 <400> SEQUENCE: 7
133     taatggtgag tatccctgcc taactct                                27
135 <210> SEQ ID NO: 8
136 <211> LENGTH: 78
137 <212> TYPE: DNA
138 <213> ORGANISM: Human immunodeficiency virus
139 <400> SEQUENCE: 8
140     catgatccgg atgggaggtg ggtctgaaac gataatggtg agtatccctg cctaactcta 60
141     ttcactatcc ggatgtgc                                78
143 <210> SEQ ID NO: 9
144 <211> LENGTH: 22
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
149 <400> SEQUENCE: 9
150     gcacatccgg atagtgaata ga                                22

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Input Set : N:\Crif3\RULE60\10764389.raw

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152 <210> SEQ ID NO: 10
153 <211> LENGTH: 65
154 <212> TYPE: RNA
155 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
158 <400> SEQUENCE: 10
159      aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
160      aaaaaa 65
162 <210> SEQ ID NO: 11
163 <211> LENGTH: 14
164 <212> TYPE: RNA
165 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
168 <400> SEQUENCE: 11
169      aaaaaaaaaa aaaa 14
171 <210> SEQ ID NO: 12
172 <211> LENGTH: 26
173 <212> TYPE: RNA
174 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
177 <400> SEQUENCE: 12
178      aaaaaaaaaa aaaaaaaacc cccccc 26

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 08/02/2004  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 15,16,17,18,19,20,21,22

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 3

**VERIFICATION SUMMARY**

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L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0